

Title (en)
Dual smartcard controller

Title (de)
Lesegerät für zwei Chipkarten

Title (fr)
Lecteur pour deux cartes à puce

Publication
EP 1239400 A1 20020911 (EN)

Application
EP 01400636 A 20010309

Priority
EP 01400636 A 20010309

Abstract (en)
Dual smartcard controller (28) supplies independent power to smartcard readers (24, 26). An I/O data bus (MPU SELECT, MPU PROGRAM) allows MPU (12) control of dual smartcard controller (28) to obtain status and to provide programming features. MPU (12) provides a polling feature allowing the detection of a current overload condition (OVERLOAD) from power supply multiplexer (34) as well as a smartcard insertion detection (CARD PRESENT) from smartcard readers (24, 26). A current overload condition from one power supply internal to power supply multiplexer (34) does not render the second supply non-operational. A level shifting circuit (64) is employed to accommodate data I/O between two devices operating at different supply voltages. <IMAGE>

IPC 1-7
G06K 7/00

IPC 8 full level
G06K 7/00 (2006.01)

CPC (source: EP)
G06K 7/0013 (2013.01); **G06K 7/0034** (2013.01); **G06K 7/0086** (2013.01)

Citation (search report)
• [XA] EP 0874327 A2 19981028 - SAMSUNG ELECTRONICS CO LTD [KR]
• [A] US 4767918 A 19880830 - KUSHIMA HIDEKIYO [JP], et al
• [A] US 6002605 A 19991214 - IWASAKI HIROSHI [JP], et al
• [A] US 5878134 A 19990302 - HANDELMAN DORON [IL], et al
• [A] US 5887145 A 19990323 - HARARI ELIYAHOU [US], et al

Cited by
EP2022176A4; DE102008042262A1; DE102008042262B4; US8707415B2; WO02099729A3

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AT BE CH CY DE DK ES FI FR GB GR IE IT LI LU MC NL PT SE TR

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